






Catalytic system for combusting exhaust gases and process for the fabrication of same

Patent number: EP0511919
Publication date: 1992-11-04
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Classification:
- **international:** B01D53/36; B01J27/22
- **european:** B01J27/22; B01J37/02C4; B01J37/08B; B01D53/94K2C
Application number: EP19920420139 19920427
Priority number(s): FR19910005771 19910429

Also published as:

 US5196389 (A1)
 JP5138043 (A)
 FR2675713 (A1)
 FI921902 (A)
 EP0511919 (B1)

Cited documents:

 US4325842
 EP0396475

Abstract not available for EP0511919

Abstract of corresponding document: **US5196389**

The invention relates to a catalytic system and to a method of producing such a system. The catalytic system consists of a support on which the catalytically active product is deposited. The support has mechanical or physical properties which are of interest in terms of the required working conditions, but a poor specific surface area. The catalytically active product, a metallic carbide, is obtained by coating the support in a suspension of a reducible compound of the metal in a solution of an organic compound, carbonizing this compound, reducing the metallic compound and carburizing the metal. The carbide thus obtained has a high specific surface area. Preferably, the support consists of silicon carbide produced by carbonizing a paste containing silicon, carbon and an organic resin. The invention is applicable to any form of catalyst but in particular to the monolithic catalysts intended for treating exhaust gases.

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